

CLAIMS

1. A refrigeration system of the type having a compression stage, a condensation stage, an expansion stage and an evaporation stage, comprising:

a first evaporator group in the evaporation stage, the first evaporator group having at least two evaporators; and

a first valve upstream of the at least two evaporators of the first evaporator group, the first valve being closeable to stop a supply of refrigerant to the at least two evaporators of the first evaporator group simultaneously for a subsequent air defrost of the at least two evaporators of the first evaporator group.

2. The refrigeration system according to claim 1, further comprising:

a second evaporator group in the evaporation stage, the second evaporator group having at least one evaporator; and

a second valve upstream of the at least one evaporator of the second evaporator group, the second valve being closeable to stop a supply of refrigerant to the at least one evaporator of the second evaporator group for a subsequent air defrost of the at least one evaporator of the second evaporator group;

whereby the first evaporator group and the second evaporator group may be switched to an air defrost mode independently from one another.

3. The refrigeration system according to claim 2, wherein one evaporator of the first evaporator group and one evaporator of the second evaporator group are in a common refrigerated enclosure.

4. The refrigeration system according to claim 1, wherein the first valve is regrouped with the compression stage in a refrigeration pack.

5. The refrigeration system according to claim 1, further comprising a controller wired to the first valve so as to control the actuation of the first valve as a function of the air defrost.

6. The refrigerant system according to claim 1, wherein the first valve is positioned between the condensation stage and the expansion stage.

7. The refrigeration system according to claim 1, wherein the at least two evaporators of the first evaporator group are in separated refrigerated enclosures.

8. A method for stopping a supply of refrigerant to evaporators of a refrigeration system of the type having a compression stage, a condensation stage, an expansion stage and an evaporation stage, for a subsequent air defrost of the evaporators, comprising the steps of:

providing a valve upstream of at least two evaporators of the evaporation stage; and

closing the valve so as to stop the supply of refrigerant to the at least two evaporators simultaneously.